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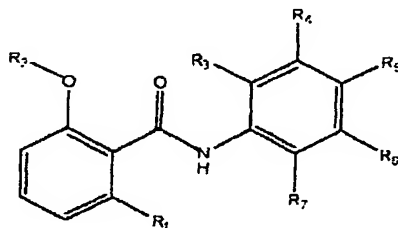
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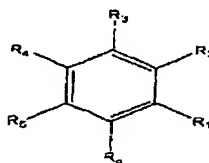
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SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA,
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[Continued on next page]

(54) Title: MODULATORS (INHIBITORS/ACTIVATORS) OF HISTONE ACETYLTRANSFERASES



Formula I



Formula II

(57) Abstract: The invention provides the use of certain benzoic acid and benzamide compounds as modulators of enzymes histone acetyltransferases, which are involved in gene expression and cancer and also use of such compounds in the treatment of diseases due to defects in gene regulation predominantly cancer.

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Declarations under Rule 4.17:

- as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii)) for the following designations AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, UZ, VC, VN, YU, ZA, ZM, ZW, ARIPO patent (BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG)
- as to the applicant's entitlement to claim the priority of the earlier application (Rule 4.17(iii)) for the following designations AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG,

PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW, ARIPO patent (BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG)

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PCT/IN 2003/000389-0

CLASSIFICATION OF SUBJECT MATTER

IPC⁷: C07C 233/66, A61K 31/165

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC⁷: C07C, A61K

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

REGISTRY, CAPLUS, WPI, EPODOC, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
E	WO 2003103655 A1 (Institute of Medicinal Molecular Design. Inc., Japan) 18 December 2003 (18.12.2003) <i>compounds 2 (p.74), 121 (p.90), 254 (p.108).</i>	1-4
X	Humm, Alfred W.; Schneider, Martin R. "Development of potential nonsteroidal antiandrogens: N-[4-nitro-3-(trifluoromethyl)phenyl]cyclohexanecarboxamides and -benzamides and N-(3,4-dichlorophenyl)- and N-(3,4,5-trichlorophenyl)benzamides" Archiv der Pharmazie (Weinheim, Germany) (1988), 321(7), 419-22 (abstract). Chemical Abstracts [online] Copyright 2004 American Chemical Society [retrieved on 7 June 2004 (07.06.2004)]. Retrieved from STN International, Karlsruhe. Chem. Abstr. No. 1988:610640. <i>abstract, compounds II, III.</i>	1-3

☒ Further documents are listed in the continuation of Box C.

☒ See patent family annex.

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Name and mailing address of the ISA/AT

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International application No.

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C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	Waisser, K.; Hladuvkova, J.; Kunes, J.; Kubicova, L.; Klimesova, V.; Karajannis, P.; Kaustova, J. "Synthesis and antimycobacterial activity of salicylanilides substituted in position 5" Chemical Papers (2001), 55(2), 121-129 (abstract). Chemical Abstracts [online] Copyright 2004 American Chemical Society [retrieved on 7 June 2004 (07.06.2004)]. Retrieved from STN International, Karlsruhe. Chem. Abstr. No. 2001:436058. <i>abstract, Salicylanilide RN 87-17-2, 1152-51-8, 3679-63-8, 7120-46-9, 7164-80-9, 24448-71-3, 24448-73-5, 26480-22-8, 214350-27-3.</i>	1-3
X	JP 2001139550 A2 (Shionogi and Co., Ltd., Japan) 22 May 2001 (22.05.2001) <i>abstract; compounds Ib-2, Ib-5.</i>	1-3
X	JP 02 306916 A2 (Otsuka Pharmaceutical Co., Ltd., Japan) 20 December 1990 (20.12.1990) <i>abstract; Benzamide, N-(2-chloro-4-nitrophenyl)-2-methoxy- (RN 133687-89-5).</i>	1,2
A	US 6369030 B (KUNDU TAPAS K. et al; UNIV. ROCKEFELLER) 9 April 2002 (09.04.2002) <i>abstract; col. 2, lines 58-64.</i>	4

INTERNATIONAL SEARCH REPORT
Information on patent family members

International application No.
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Patent document cited in search report			Publication date	Patent family member(s)	Publication date
A				none	
JP	A	2306916A 2		none	
JP	A	20011395 50A2		none	
US	B	6369030	2002-04-09	none	
WO	A	20031036 55		none	